

AMENDMENTS TO THE CLAIMS

1. (Cancelled)
2. (Cancelled)
3. (Original) An ultrasound system application specific integrated circuit (US-ASIC) having at least one beam former, a transducer controller, one or more digital signal processor(s), and a plurality of input/output channels for linking to at least one memory means, a power control system, a transducer and a user interface.
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Cancelled)
10. (Cancelled)
11. (Cancelled)
12. (Cancelled)
13. (Previously Presented) The US-ASIC of claim 3, wherein said at least one beam former comprises:
a transmit beam former and a receive beam former.
14. (Previously Presented) The US-ASIC of claim 13, wherein said transmit beam former and said receive beam former draw from a single master clock path for precise timing.
15. (Previously Presented) The US-ASIC of claim 3, further comprising:
analog to digital and digital to analog converters.